

gen4-loD Series

gen4-loD-24T (Resistive touch)
gen4-loD-28T (Resistive touch)
gen4-loD-32T (Resistive touch)



Datasheet

Revision 1.6

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1. Description

The gen4-IoD (Internet of Displays) series is part of the latest gen4 Range of modules Designed and Manufactured by 4D Systems.

The gen4 series was designed specifically for ease of integration and use, with careful consideration for space requirements and functionality.

This specific gen4 module features a 2.4", 2.8" or 3.2" colour TFT LCD, with Resistive Touch. It is powered by the WiFi-enabled ESP8266, which offers an array of functionality and options for any Designer / Integrator / User.

The gen4-IoD range can be easily programmed using 4D Systems Workshop4 or the Arduino IDE installed with the ESP8266 core. The feature-rich 4D Systems GFX4d library enables speedy development of applications by providing extensive primitive graphics functions, enhanced graphics via Workshop4, SD card and touch routines, integrated into a single library. This is compiled by the Arduino IDE in the background, and loaded onto the module.

The onboard SD card socket enables the use of FAT16 or FAT32 formatted cards for extensive storage capabilities.

The gen4-IoD series of Integrated Display Modules features a 10-pin ZIF socket, designed for a 10-pin FFC cable, for easy and simple connection to an application or mother board, or for connecting to accessory boards for a range of functionality advancements.

The gen4 series of modules has been designed to minimise the impact of display-related circuitry and provide a platform suitable for integration into a product. Application boards can sit flush on the back of the gen4 if required, as the display-related electronics sit inside the plastic mounting base, leaving the application board surface clear for User circuitry.

More information on the Espressif ESP8266 SoC can be found on the [Espressif website](#), and on the [ESP8266EX SoC datasheet](#)